

MAGNETIC STIRRING BAR



Magnetic stirring bars give effective stirring of samples via magnetic manipulation. Many models feature an octagonal shape with a central integrated pivot ring for optimal turbulence while stirring because of a greater area. Commonly coated in Teflon to supply chemical inertness; occasionally glass is the coating to be used with most liquid metals and alkali metal solutions in ammonia. Both of those coatings are inert and cannot contaminate or react with the reaction solution.

Octagon Spinning Magnetic Stirrer Bar Teflon

Stirring bars provide maximum stabilization of the magnetic stirring bar with the addition of a “hoop” around a standard octagonal bar. The friction fit of the “hoop” and bar allows them to spin as a unit. By presenting a greater surface area and wider profile, “spin out” is virtually eliminated. This particular arrangement is best suited for larger open-neck vessels, such as buckets and beakers.



| Catalog No. | Description | Length | Diameter(mm) | Ring Dia. |
|-------------|---|-----------------|---------------|-----------------|
| CS-1-412 | Octagon Spinning Magnetic Stirrer Bar Teflon, Dia. 7.9mm, | 12 mm | 6 mm | 19 (3/4) mm |
| CS-1-425 | Octagon Spinning Magnetic Stirrer Bar Teflon, Dia. 7.9mm, | 25 mm | 8 mm | 31.8 (1 1/4) mm |
| CS-1-438 | Octagon Spinning Magnetic Stirrer Bar Teflon, Dia. 7.9mm, | 38.1(1 1/2") mm | 7.9 (5/16) mm | 44.5 (1 3/4) mm |
| CS-1-451 | Octagon Spinning Magnetic Stirrer Bar Teflon, Dia. 7.9mm, | 51(2") mm | 7.9 (5/16) mm | 57.2 (2 1/4) mm |

PTFE Egg - Shaped (Oval) Magnetic Stir Bars

- ▶ Elliptical (Egg Shaped) magnetic stirring bars are particularly well suited for round bottom flasks
- ▶ Their shape mimics that of a flask and ensures complete mixing.
- ▶ They also offer minimal contact when used in plastic containers.



| Catalog No. | Length | Diameter(mm) |
|-------------|--------|--------------|
| CS-1-61 | 10 mm | 5 mm |
| CS-1-615 | 15 mm | 6 mm |
| CS-1-62 | 20 mm | 10 mm |
| CS-1-625 | 25 mm | 12 mm |
| CS-1-625-10 | 25 mm | 10 mm |
| CS-1-63 | 30 mm | 16 mm |
| CS-1-630-10 | 30 mm | 10 mm |
| CS-1-635-13 | 35 mm | 13 mm |
| CS-1-635 | 35 mm | 16 mm |
| CS-1-640-13 | 40 mm | 13 mm |
| CS-1-65 | 50 mm | 20 mm |
| CS-1-650-17 | 50 mm | 17 mm |
| CS-1-664 | 64 mm | 20 mm |
| CS-1-67 | 70 mm | 20 mm |
| CS-1-670-25 | 70 mm | 25 mm |
| CS-1-670-27 | 70 mm | 27 mm |
| CS-1-6100 | 100 mm | 30 mm |
| CS-1-6150 | 150 mm | 40 mm |

PTFE Polygon Magnetic Stir Bars with Pivot Ring

- ▶ Multifaceted surfaces add turbulence relative to similar smooth size cylindrical bars
- ▶ Giant Polygon bars can be used for stirring substantial volumes in large vessels such as drums and tanks.
- ▶ Available with or without a molded pivot ring, this ring minimizes the contact area between the bar and the vessel, thus reducing friction and chattering.



| Catalog No. | Length | Diameter(mm) |
|-------------|--------|--------------|
| CS-1-312 | 12 mm | 4.5 mm |
| CS-1-312-6 | 12 mm | 6 mm |
| CS-1-313-8 | 13 mm | 8 mm |
| CS-1-315 | 15 mm | 4.5 mm |
| CS-1-315-8 | 15 mm | 8 mm |
| CS-1-320 | 20 mm | 6 mm |
| CS-1-325 | 25 mm | 6 mm |
| CS-1-325-10 | 25 mm | 10 mm |
| CS-1-330 | 30 mm | 6 mm |
| CS-1-335 | 35 mm | 6 mm |
| CS-1-335-10 | 35 mm | 10 mm |
| CS-1-340 | 40 mm | 8 mm |
| CS-1-345 | 45 mm | 8 mm |
| CS-1-350 | 50 mm | 8 mm |
| CS-1-350-10 | 50 mm | 10 mm |
| CS-1-360 | 60 mm | 10 mm |
| CS-1-365-13 | 65 mm | 13 mm |
| CS-1-370 | 70 mm | 10 mm |
| CS-1-375-13 | 75 mm | 13 mm |

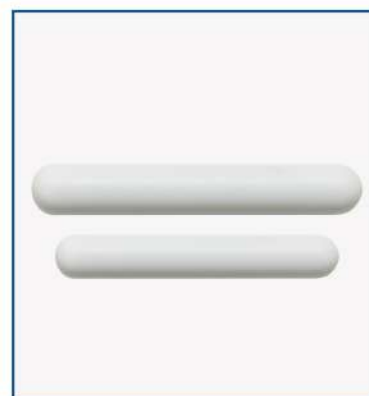
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PTFE Plain Magnetic Stir Bars

- ▶ Plain PTFE magnetic stirring bars work like a cylindrical bar but they give more turbulence at low speeds



| Catalog No. | Length | Diameter(mm) |
|-------------|--------|--------------|
| CS-1-210-6 | 10 mm | 6 mm |
| CS-1-212 | 12 mm | 4.5 mm |
| CS-1-213-8 | 13 mm | 8 mm |
| CS-1-215 | 15 mm | 4.5 mm |
| CS-1-215-6 | 15 mm | 6 mm |
| CS-1-215-8 | 15 mm | 8 mm |
| CS-1-220 | 20 mm | 6 mm |
| CS-1-220-7 | 20 mm | 7 mm |
| CS-1-225 | 25 mm | 6 mm |
| CS-1-225-8 | 25 mm | 8 mm |
| CS-1-225-10 | 25 mm | 10 mm |
| CS-1-225-7 | 25 mm | 7 mm |
| CS-1-230 | 30 mm | 6 mm |
| CS-1-230-7 | 30 mm | 7 mm |
| CS-1-235 | 35 mm | 6 mm |
| CS-1-235-7 | 35 mm | 7 mm |
| CS-1-235-10 | 35 mm | 10 mm |
| CS-1-240 | 40 mm | 8 mm |
| CS-1-240-7 | 40 mm | 7 mm |
| CS-1-245 | 45 mm | 8 mm |
| CS-1-250 | 50 mm | 8 mm |
| CS-1-250-10 | 50 mm | 10 mm |
| CS-1-250-7 | 50 mm | 7 mm |
| CS-1-260 | 60 mm | 10 mm |
| CS-1-260-7 | 60 mm | 7 mm |
| CS-1-260-8 | 60 mm | 8 mm |
| CS-1-265-13 | 65 mm | 13 mm |
| CS-1-270 | 70 mm | 10 mm |
| CS-1-275 | 75 mm | 13 mm |
| CS-1-280 | 80 mm | 10 mm |

PTFE Cylindrical Magnetic Stir Bars

- ▶ They are suitable for a wide range of containers.
- ▶ The cylindrical magnetic stirrer bar is resistant to virtually all chemicals
- ▶ They have a plain design with rounded ends,
- ▶ Recommended for flat bottomed containers of an extensive variety



| Catalog No. | Length | Diameter(mm) |
|-------------|--------|--------------|
| CS-1-106 | 6 mm | 3 mm |
| CS-1-108 | 8 mm | 3 mm |
| CS-1-110-6 | 10 mm | 6 mm |
| CS-1-2912 | 12 mm | 3 mm |
| CS-1-112 | 12 mm | 4.5 mm |
| CS-1-113-6 | 13 mm | 6 mm |
| CS-1-113-7 | 13 mm | 7 mm |
| CS-1-113-8 | 13 mm | 8 mm |
| CS-1-113-10 | 13 mm | 10 mm |
| CS-1-115 | 15 mm | 4.5 mm |
| CS-1-115-6 | 15 mm | 6 mm |
| CS-1-120-7 | 20 mm | 7 mm |
| CS-1-120-8 | 20 mm | 8 mm |
| CS-1-120 | 20 mm | 6 mm |
| CS-1-125-5 | 25 mm | 5 mm |
| CS-1-125 | 25 mm | 6 mm |
| CS-1-2925 | 25 mm | 8 mm |
| CS-1-125-10 | 25 mm | 10 mm |
| CS-1-130-7 | 30 mm | 7 mm |
| CS-1-130-8 | 30 mm | 8 mm |
| CS-1-130 | 30 mm | 6 mm |
| CS-1-135 | 35 mm | 6 mm |
| CS-1-140 | 40 mm | 8 mm |
| CS-1-140-7 | 40 mm | 7 mm |
| CS-1-145 | 45 mm | 8 mm |
| CS-1-150 | 50 mm | 8 mm |
| CS-1-160 | 60 mm | 10 mm |
| CS-1-170 | 70 mm | 10 mm |
| CS-1-180 | 80 mm | 10 mm |
| CS-1-125-8 | 125 mm | 8 mm |

PTFE Magnetic Stir Bar Retrievers

- ▶ These stir bars are PTFE (Teflon) coated and appropriate for most chemistry applications
- ▶ Ideal for retrieving magnetic stirrer bars
- ▶ It can be employed with corrosive chemicals including acid and base
- ▶ PTFE Stirring Bars Retrievers have a permanent powerful magnet encapsulated in PTFE and supplied with a flexible PTFE rod.



| Catalog No. | Description | Length | Ø Dia. | Model |
|-------------|--|--------|--------|----------|
| CS-1-1013 | PTFE Polypropylene Magnetic Stir Bar Retriever | 350 mm | 10 mm | Turbo |
| CS-1-566 | PTFE Polypropylene Magnetic Stir Bar Retriever | 350 mm | 10 mm | Standard |
| CS-1-1016 | PTFE Polypropylene Magnetic Stir Bar Retriever | 450 mm | 18 mm | Turbo |

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